

Subject index

Acitretin 343
Acne 103, 449, 475
Acrosin active, non-zymogen 335
Acrosomal membrane stability/disturbances 335
Actin 210
Actinic skin damage 213
Adenosylcobalamin 272
Adenylate cyclase 469
Aging 283
All-trans-retinoic acid 278
Allergic contact dermatitis 56, 455
Alpha₁-antitrypsin 206
Alpha₂-interferon 311
Amineptine 103
Amnion 143
Androgen receptor 33
Androstendione 475
Announcements 142
Anthralin (1,8-dihydroxy-9-anthrone) 47
— dimer (1,8,1',8'-tetrahydroxy-10,10'-none) 47
Anthraquinone (1,8-dihydroxy-9,10-anthraqui-bis[9(10)-dianthrone]) 47
Antibodies 532
Anticentromere antibodies in scleroderma 76
Antinuclear antibodies 159, 423, 516
Apocrine gland 33
Arachidonic acid 42
Atopic dermatitis 6, 98, 295
— dry skin 549
— respiratory disease 295
Autoantibodies 84, 89, 477
Autoantigen 84
Autoimmune diseases 477
Autosomal recessive palmoplantar keratosis 363
Azelaic acid 168

B16 melanoma cells 263, 278
Basal cell carcinoma 311
Basement membrane 397, 506
Basophil 217
Bicomponent keratohyalin 71
Brain potentials 539
Brazilian pemphigus foliaceus 84
Bullous pemphigoid 223

Candida killing 348
Carbohydrates 520
Carcinogenesis 289
Carcinoma lesions 493
Catechols 56
CD8 antigen 6
Cell adhesion molecules 238
— cycle 258
— growth 258, 263
— control 330
— shedding 234
Ceramides 549
Chemiluminescence 208
Chondroitin proteoglycan 397
Chrysiasis 172
Chymase 428
Chymotrypsin-like enzyme 234
Circulating androgens 475

Class II antigens 238, 318
Cohesive protein structures 234
Collagenase 379
Collagen biosynthesis 480
— gel 263, 278
— lattice 258
COLO cell line 418
Commercial formulations 484
Complement 183
Complementation groups A and F 68
Connective tissue sheath 434
Contact allergic reaction 318
— dermatitis 408
— hypersensitivity reaction 198
Corneocytes 208
Corneosomes 304
Croton oil 408
Cryobiologic wounds 267
Crystal 172
Culture 402
Cutaneous T-cell lymphoma 532
Cyclosporin A 408
Cysteine 56
Cytokeratins 213, 383
Cytolysis 183
Cytoskeleton 131
Cytotoxicity 131, 325

Dacarbazine 278
Dehydroepiandrosterone sulphate 475
Delayed hypersensitivity 217, 455
Dendritic cells 188, 351
Dermal vessels 108
Desmosomes 210, 304
Desquamation 304
Dexamethasone 153
Differentiation 402
Diffusion cell experiment 463
Dihydric alkylbenzenes 56
Dinitrochlorobenzene 295
Diphenylpicrylhydrazyl 56
Dithranol 325
DNA synthesis 484
— typing 446
Dosage history 120
dsDNA 159
Dysplastic naevi 353

Eccrine sweat glands 12
EGF receptor 544
Elasticity 283
Electron microscopy 12, 71, 227, 363, 402
Electrotherapy 203
Endothelial cell damage 183
— cells 374
— cell survival 516
Epidermal calmodulin 270
— cell cultures 246
— cells 348, 544
— differentiation 22
— —/proliferation 164
— growth factor 139
— IgG deposits 423
— lipids 549
Epidermis 8, 520
Epidermoid and trichilemmal cysts 383
Epidermolysis bullosa 379
Epidermolytic hyperkeratosis 1

Epinephrine 194
Etreotide 412
— elimination 343

Factor XIII 65
Family study 98
Fc_Y-receptors 300
Fertility/sterility 335
Fetal cytokeratins 227
Fibroblast 258
Flow cytometry 126, 198, 258
Fodrin 274
Foreskin 480
Free radical defence 526
— — inhibitory effect 449
Fucose 12
5-Fluorouracil 484
— (prodrug of 5-FU) 463

Gamma-interferon 246
GB1 monoclonal antibody 143
Gene expression 330, 487
Genetic counselling 98
— recurrence risk 98
Genodermatoses 227
Glutathione 56
Glycoproteins 246
N-Glycolylneuraminic acid 179
Gold 172
G-protein 469
Granular layer 459
Growth 402
— factor 516
Guanine nucleotide binding protein 392
Guinea pig skin 115

Hair cells 402
— cycle 434
— growth 442
Hairless mice 484
Haloperidol 120
Hanganutziu-Deicher antigen 179
Haptoglobin 206
Harvey *ras* proto-oncogene 330
Heat shock protein 131
Henoch-Schönlein purpura 183
Histamine 217
— H₁-receptor 115
— prick test 539
HIV-1 532
HTLV-I 532
Human epidermis 65, 126
— fetus 544
— hair follicle 434, 442
— keratinocyte culture 512
— malignant melanoma 179
— neutrophils 208
— papillomavirus 446
— — (HPV) 493
— recombinant leukocyte interferon- α 371
Hyaline membrane 434
Hydrocystoma 383
Hyperbaric oxygen 267
Hyperproliferation 126
Hypnotic analgesia 539

Ia antigen 253, 415
 ICAM-1 412
 Ichthyosis bullousa of Siemens 1
 IgE 295
 IgG purification 300
 Immune complexes 423
 Immunoblotting 76
 Immunocytochemistry 93
 Immunodeficiency 188
 Immunodetection 512
 Immunodiffusion 76
 Immunoelectron microscopy 238, 520
 Immunofluorescence 76
 — microscopy 188
 Immunogold 12
 Immunohistochemistry 179, 227
 Immunohistology 311
 Inflammations 93, 374
 Inflammatory mediators 348
 In situ hybridization 487
 Interferon-alpha 270
 — gamma 318
 Interferon- γ (IFN- γ) 149, 415
 Interleukin-1 3/9
 Interleukin 2 149
 — production in vitro 223
 — receptor 149
 — receptors 223
 Intoxication 103
 Intranuclear androgen 33
 Isopropyl myristate 463

Kaposi's sarcoma 371
 Keratin 12, 126, 512
 — intermediate filament 89
 Keratinization 71, 363
 — disorders 227, 343
 Keratinocyte cultures 164, 238
 Keratinocytes 22, 135, 210, 274, 325, 330, 347, 392, 415, 459
 Keratohyalin 363
 Keratohyaline proteins 363

L3T4 positive 198
 Lactate dehydrogenase (LDH) 325
 Langerhans cells 188, 253, 295
 Lectins 246, 253, 520
 Lichen planus 412
 — sclerosus et atrophicus 480
 Liquid-holding 68
 Lithium carbonate 280
 Localized scleroderma 477
 Lupus erythematosus 159, 490
 Lyt-2 positive 198

Macrophages 93
 Mast cells 217, 428
 Mechanical stimulation 22
 Melanin 120
 Melanocytes 520
 Melanogenesis 263
 Melanophages 172
 Melanosomes 353
 Membrane skeleton 274
 $[^3\text{H}]$ Mepyramine binding 115
 Merkel cells 213
 Methyl alkanesulphonates 455
 Methylmalonic acidemia 272
 Metronidazole 449
 Migration inhibitory factor (MIF) 374

Milia 383
 Mitochondria 47
 Monoclonal antibodies 126, 153, 300
 Monohydric alkylbenzenes 56
 Mononuclear phagocytes 374
 Mouse 253
 — ear 280
 — — edema 42
 — tail epidermis 459
 Murine model system 455
 Mycosis fungoidea 532

NADH 56
 Naevocellular naevi 353
 Nail lipids 549
 Neutrophil elastase 506
 Nonhistone nucleoproteins 159
 Northern blot analysis 392

Oestrogen 442
 Oral squamous cell carcinoma 493
 Organ culture 442
 Ornithine decarboxylase 487
 Osmidrosis 33
 β -Oxidation 103
 Oxidation reduction 47
 2-Oxo-4-thiazolidine carboxylate 56
 Oxydation 103

Palmitoleic acid 449
 PAM 212 cells 131
 Para-aminobenzoic acid (PAPA) 38
 Partition coefficient 498
 Pemphigus vulgaris antigen
 Percutaneous absorption 498
 Periderm 143
 Pertussis toxin 469
 $\text{A}^{12}\text{-PGJ}_2$ 131
 Phorbol ester 408
 Photosensitivity 159, 490
 Pigmentation 526
 Pilomatricoma 383
 Plantar stratum corneum 234
 Plasminogen 153
 Platelets 516
 Polymerase chain reaction (PCR) 493
 Porphyria 108
 Primary Sjögren's syndrome 423
 Proacrosin 335
 Procollagen mRNA 480
 Prodrug (5-Fu) 484
 Prohaptens activation 56
 Proliferating E-5166 135
 Psoriasisiform lesion 280
 Psoriasis 6, 8, 139, 149, 203, 351, 459, 506
 — therapy 270
 Psoriatic arthritis 6
 — lesions 428
 — scale extract 300
 PUVA 42

Quinols 56

ras Gene 8
 Rat skin 318
 Resorcinols 56
 Retinoic acid 135
 Ridged skin 71
 Rosacea 449

Sandimmun 351
 SCaBER line 418
 Scalp hair 120
 Scleroderma 516
 Segmental analysis 120
 Sex hormone binding globuline 475
 Sister chromatid exchanges 68
 Skin 139, 397, 463
 — phenylethanolamine-N-methyltransferase 194
 Somatostatin receptors 139
 Spectrin 274
 Sphingoglycolipids 347
 Steady-state flux 498
 Steatosis 103
 Stereography 17
 Stereometry 17
 Steroids 103
 Stratum corneum 89, 208, 304, 498
 Subcorneal pustular dermatosis 1
 Subpopulation 253
 Suction 283
 Sun blockers 526
 Sunscreening agent 38
 Superficial spreading melanoma 353
 Sweat ducts 71
 Syringoma 17, 383

Tanning 289
 T-cell activation 6
 Teratogenicity 343
 Testosterone 442, 475
 Thioredoxin reductase 168, 526
 Three-dimensional structures 17
 T lymphocytes 351
 Topical application 408
 Topoisomerase I in scleroderma 76
 Transdermal delivery 463
 Transferrin receptor 544
 Transglutaminase 65
 Tryptase 428
 Tumor necrosis factor-alpha 238
 — promotion 487
 — necrosis factor 459
 — — factor- α (TNF- α) 415
 Tumour promoter 469
 Type I and type III collagen 278, 480
 Tyrosinase 263
 — (inhibitor) 168

Ultrastructural alterations 371
 Ultrastructure 108, 353, 434
 Ultraviolet light 68, 487
 Ultraviolet radiation 42
 — carcinogenesis 38
 Urticaria 93
 Urushiol 56
 UVA-radiation 289
 UVB 42
 UV radiation 526

Vascular endothelial cell 115
 Vehicle 498
 Verruca 446
 Vimentin 512
 Vitamin D₃ analogues 164
 Vitiligo 206

Water barrier function 549
 Western blotting 84, 532

Xeroderma pigmentosum 68

